



SayHi™

## WS290 WIFI IP Innovative VoIP Phone User Manual



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Escene Communication Co.Ltd

[www.escene.cn/en/](http://www.escene.cn/en/)

## INDEX

|                                                          |    |
|----------------------------------------------------------|----|
| 1. Getting Started .....                                 | 4  |
| About.....                                               | 4  |
| Feature Highlights .....                                 | 4  |
| 2. Set up the Phone.....                                 | 4  |
| 3. Phone User Interface.....                             | 6  |
| 3.1 Hardware Component Instructions.....                 | 6  |
| 3.2 Phone Screen Display Features .....                  | 7  |
| 3.3 Basic Network Settings.....                          | 9  |
| 3.4 SIP Account Settings.....                            | 11 |
| 3.5 Basic Features.....                                  | 12 |
| 3.5.1 Making a Call .....                                | 12 |
| 3.5.2 Anonymous Call.....                                | 12 |
| 3.5.3 Redial.....                                        | 13 |
| 3.5.4 Call Log .....                                     | 13 |
| 3.5.5 Making Calls to Contact.....                       | 13 |
| 3.5.6 Multi-lines to Answer the Call .....               | 14 |
| 3.5.7 Auto-Answer .....                                  | 14 |
| 3.5.8 Ending a Call .....                                | 14 |
| 3.5.9 Using Hold and Recover (Switch Calling Line) ..... | 15 |
| 3.5.10 Transferring Calls .....                          | 15 |
| 3.5.11 Using Mute .....                                  | 16 |
| 3.5.12 Do Not Disturb .....                              | 16 |
| 3.5.13 3-way Conference.....                             | 17 |
| 3.5.14 Voice Mail.....                                   | 17 |
| 3.6 Advanced Settings.....                               | 18 |
| 3.6.1 Using the phone book .....                         | 18 |
| 3.6.2 Using Call Logs.....                               | 21 |
| 3.6.3 Peer-to-Peer .....                                 | 21 |
| 3.7 Keypad Setting.....                                  | 21 |
| 3.7.1 Language Setting .....                             | 22 |
| 3.7.2 Message .....                                      | 22 |
| 3.7.3 Time & Date .....                                  | 22 |
| 3.7.4 Ring Tone and Volume Setting .....                 | 23 |
| 3.7.5 Searching Phone Book.....                          | 23 |
| 3.7.6 Cannot Set the Features with Keypad .....          | 24 |
| 4. WEB User Interface .....                              | 24 |
| Main Interface-Phone Status .....                        | 24 |
| 4.1 Net Work .....                                       | 25 |
| 4.1.1 LAN Port .....                                     | 25 |
| 4.1.2 PC Port.....                                       | 27 |
| 4.1.3 Advanced.....                                      | 28 |
| 5 SIP Account.....                                       | 29 |

|                                                       |    |
|-------------------------------------------------------|----|
| 5.1 Basic .....                                       | 29 |
| 5.2 Call .....                                        | 31 |
| 5.3 Security .....                                    | 32 |
| 6 Phone Setting .....                                 | 32 |
| 6.1 Basic .....                                       | 32 |
| 6.1.1 Time Settings .....                             | 33 |
| 6.1.2 Call .....                                      | 34 |
| 6.1.3 VoIP Call Forward .....                         | 36 |
| 6.1.4 QoS .....                                       | 36 |
| 6.2 Advanced .....                                    | 37 |
| 6.2.0 Audio .....                                     | 37 |
| 6.3 Line Keys .....                                   | 39 |
| 6.4 Function Keys .....                               | 40 |
| 6.5 Soft Key .....                                    | 40 |
| 6.6 Dial Plan .....                                   | 41 |
| 6.7 IP Strategy .....                                 | 42 |
| 7 Phone Book .....                                    | 42 |
| 7.1 Group .....                                       | 42 |
| 7.2 Contact .....                                     | 42 |
| 7.3 LDAP .....                                        | 43 |
| 7.4 Ban List .....                                    | 44 |
| 8 Phone Maintenance .....                             | 45 |
| 8.1 Basic .....                                       | 45 |
| 8.1.1 HTTP Upgrade .....                              | 45 |
| 8.1.2 FTP Upgrade .....                               | 46 |
| 8.1.3 TFTP Upgrade .....                              | 47 |
| 8.1.4 Default Setting .....                           | 48 |
| 8.1.5 Reboot .....                                    | 48 |
| 8.2 Advanced .....                                    | 48 |
| 8.2.1 Log .....                                       | 48 |
| 8.2.2 Auto Provision .....                            | 49 |
| 9 Password .....                                      | 50 |
| 10 WEB Other Settings or Information - Appendix ..... | 50 |
| 10.1 WEB User .....                                   | 50 |
| 10.2 Multi-Language .....                             | 51 |
| 10.3 Note Tips .....                                  | 51 |

# 1. Getting Started

## About

Escene WS290 is a highly innovative based VoIP phone, It can perfectly satisfy all kinds of businessmen's communications. WS290 integrates with 128x64 pixel graphic LCD, a large resolution display, elegant and intuitionist user interface, which you can perfectly experience. WS290 delivers HD audio quality with HD handset, HD speaker and HD codec (G.722), it rich features can effectively improve the communications in working. WS290 quite meets the demands of SMEs, Home Office and ISP applications.

## Feature Highlights

- a) **Multi-Language**  
The LCD display supports Multi-Language.
- b) **HD Voice**  
Special voice processing technology, high-fidelity voice quality, HD encoding, HD Handset, ensure clear, realistic smooth communication.
- c) **Senior Calling Ability**  
2 lines with double color(GREEN & RED) LEDs, Synchronously control or manage 2 calls, Call queue, Switch between lines. Multi-parties conference, call transfer.
- d) **All kinds of Phone Book**  
It supports XML Personal Phone Book\LDAP\Enterprise Phone Book etc. This feature satisfies customer's phone book requirements.
- e) **Support HTTP\TFTP\FTP\Auto-Provision.**
- f) **2-angle adjustable bracket, wall-mountable**

## 2. Set up the Phone

- a) **Packing List:**  
Check the packing list before installation, if you find anything missing, contact your system administrator.
  - 1\*WS290 IP Phone
  - 1\*Handset
  - 1\* Handset Cord
  - 1\*Ethernet Cable
  - 1\*Phone Bracket
  - 1\*Quick Setup Guide

- 1\*Manufacturer Certification

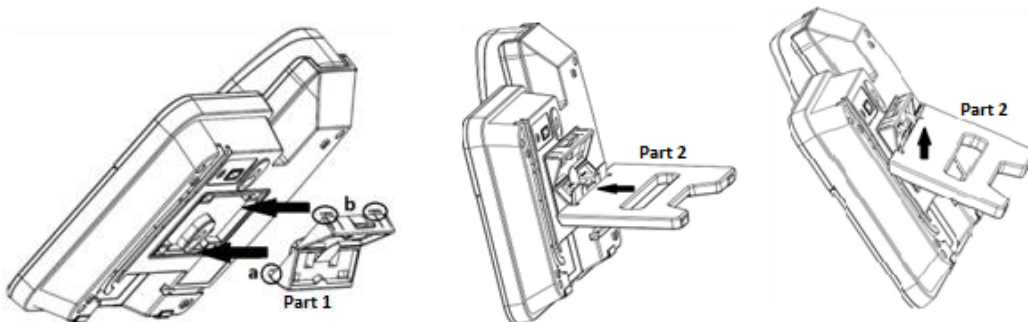
#### b) Phone Installation:

This section introduces how to install the phone with the components in the packing list:

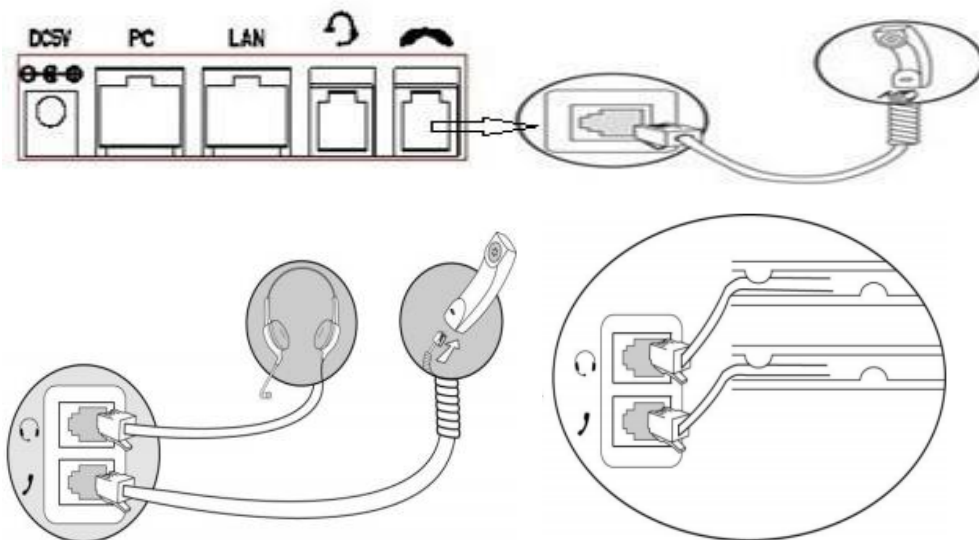
- Attach the Bracket
- Connect the Handset and optional Headset
- Connect the Network and Power

#### Attach the Bracket

Pls follow the following step "a" to "b", firstly let the part 1 of the bracket join to the phone, and then let the part 2 of the bracket join to the lower holder.



Connect the Handset and optional Headset, WIFI model didn't have LAN port.

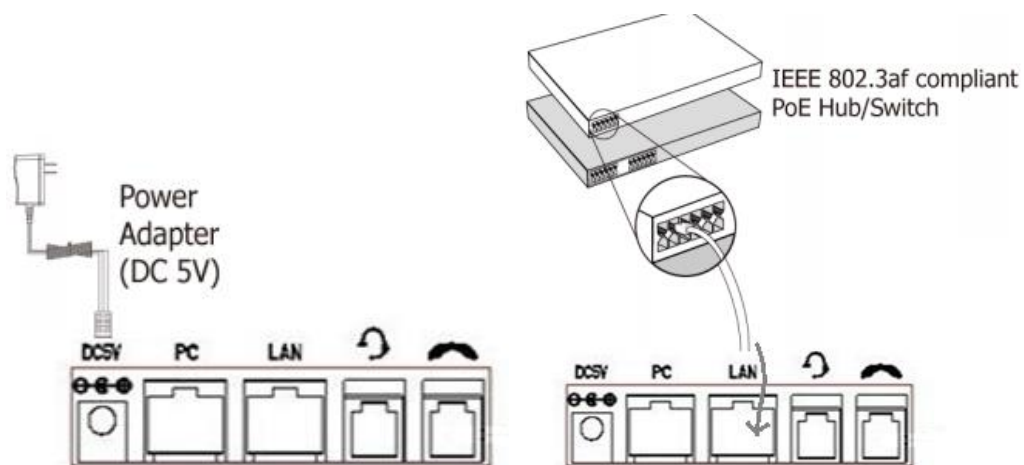


#### Connect the Network and Power

You have two options for power supply. Your system administrator will advise you which one to use.

- AC power adapter
- POE(Power over Ethernet) IEEE802.3af ,WIFI model didn't support POE.
- USB(Standard DC 5V)

**NOTES:** Pls make sure your phone support POE feature. You can check the label on the back of the phone , for example "Model: ES290-PN Rev:2.1.0", the "P" means it support POE feature.

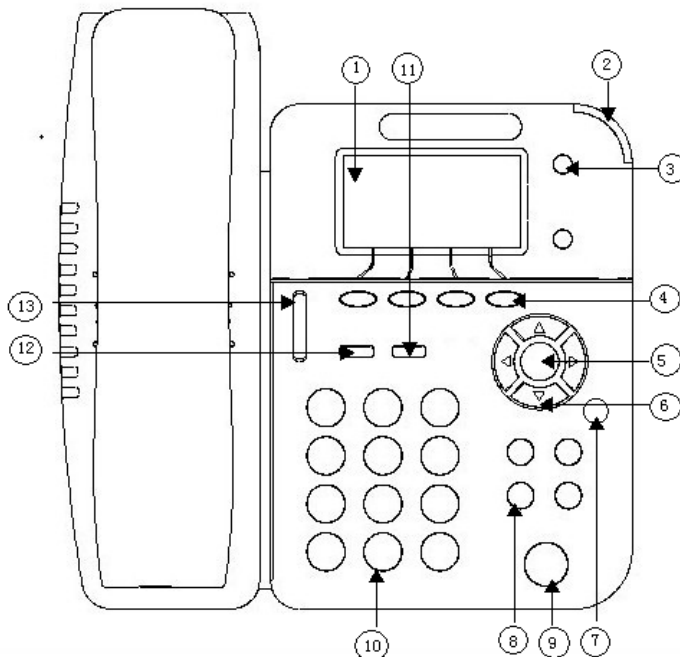


Note: If POE works, the phone doesn't need to connect to the AC power adapter. Make sure the Ethernet cable and switch/hub is POE compliant.

## 3. Phone User Interface

### 3.1 Hardware Component Instructions

The main hardware components of the WS290 IP Phone are the LCD screen and the keypad.



Hardware component instructions of the WS290 IP Phone are:

|    | ITEM           | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                    |
|----|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | LCD Screen     | Displayed information about calls, messages, soft keys, time, date and other relevant data: <ul style="list-style-type: none"> <li>• Call information — caller ID, call duration</li> <li>• Icons (e.g. )</li> <li>• Missed calls or second incoming caller's information</li> <li>• Time and date</li> </ul> |
| 2  | Light Status   | Red-Flashing: There is an incoming call or be Hold.<br>Red-Steady: Hook-off. or be in an usual conversation                                                                                                                                                                                                                                                                                    |
| 3  | Line Key       | Green-Steady: There is a conversation making on the line<br>Red-Flashing: There is call coming in<br>Green-Flashing: The line is on hold<br>Dark: Accounts are idle                                                                                                                                                                                                                            |
| 4  | Soft Key       | Labels automatically to identity their context-sensitive features                                                                                                                                                                                                                                                                                                                              |
| 5  | OK Key         | Confirm the action                                                                                                                                                                                                                                                                                                                                                                             |
| 6  | Navigation Key | Scroll through the displayed information, and in the idle feature:<br>UP: Open the "All CONTACT LOG"<br>DOWN: Open the "MISSED CALL"<br>RIGHT: Open the "RECEIVED CALL"<br>LEFT: Open the "DAIL CALL"                                                                                                                                                                                          |
| 7  | C Key          | Cancels actions or rejects an incoming call, and the other feature:<br>In the idle: Open the "Phone Status".<br>Diagnosis: Press and hold 3 second to open "Hardware Diagnosis".<br>MUTE: "MUTE" feature is enabled if you press it while the conversation making on the phone.                                                                                                                |
| 8  | Functions Key  | Conference\Redial\Transfer\Hold                                                                                                                                                                                                                                                                                                                                                                |
| 9  | Speaker Key    | Toggles the hands-free speaker phone mode.                                                                                                                                                                                                                                                                                                                                                     |
| 10 | Keypad         | Provides the digits, letters and special characters in context-sensitive applications.                                                                                                                                                                                                                                                                                                         |
| 11 | Headset Key    | Toggles and indicates the headset mode.                                                                                                                                                                                                                                                                                                                                                        |
| 12 | Message Key    | Indicates and accesses voice messages.                                                                                                                                                                                                                                                                                                                                                         |
| 13 | Volume Key     | Adjusts the volume of the handset, headset, speaker and ringer                                                                                                                                                                                                                                                                                                                                 |

## 3.2 Phone Screen Display Features

If the phone has successfully started up and after using, the idle LCD display will show information as below:



|   | ITEM             | DESCRIPTION                                                                                                                                                                                                                                                                                     |
|---|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | TIME & DATE      | TIME & DATE display in the middle of the screen.                                                                                                                                                                                                                                                |
| 2 | Auto-Answer icon | Enable this feature, it will display "AA" at the top right corner.                                                                                                                                                                                                                              |
| 3 | Missed Call      | Missed Call under the TIME in the middle of screen                                                                                                                                                                                                                                              |
| 4 | Line Status      | <p>There are four status as below:</p> <p>a. :Disconnect the network</p> <p>b. :Account failed to register</p> <p>c. :Account successfully registered</p> <p>d. :Account successfully registered and DND feature is enabled.</p> <p>The DND icon also will display at the top right corner.</p> |
| 5 | Soft Key Area    | Labels automatically to identity their context-sensitive features                                                                                                                                                                                                                               |
| 6 | Screen Top Icon  | <p>The Screen Top Icon from left to right is:</p> <p>: Handset Hand on status</p> <p>:Speaker Hand on status</p> <p>:Headset Hand on status</p> <p>:Call MUTE</p> <p>:Missed Call</p> <p>:Call Forward</p> <p>:Text Message</p> <p>:Keypad Lock</p> <p>:Network is unavailable</p>              |

### 3.3 Basic Network Settings

The phone supports Three Modes of Network Setting. Include PPPoE\Static IP\DHCP.

**NOTE: For the WIFI model, it didn't have the LAN port, but it can setting the LAN information.**

#### DHCP Setting

| Feature | Operating Steps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DHCP    | <p>Press <b>OK</b> or <b>MENU</b>&gt; <b>System Settings</b>&gt; <b>Advanced Settings</b>&gt; <b>Password</b>(Default is Empty)&gt; <b>Network</b>&gt; <b>LAN Port</b></p> <ul style="list-style-type: none"><li>● Press <b>LAN Port</b> to login in to the menu</li><li>● Select "<b>DHCP</b>" mode</li><li>● Press "<b>Enter</b>" key</li><li>● Set the <b>DNS\web port\telnet port</b></li><li>● Press "<b>Save</b>" key to make it work</li><li>● Tips "<b>Network is changed, press OK reboot</b> "</li></ul> |

#### Static IP Setting

| Feature   | Operating Steps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Static IP | <p>Press <b>OK</b> or <b>MENU</b>&gt; <b>System Settings</b>&gt; <b>Advanced Settings</b>&gt; <b>Password</b>(Default is Empty)&gt; <b>Network</b>&gt; <b>LAN Port</b></p> <ul style="list-style-type: none"><li>● Press <b>LAN Port</b> to login in to the menu</li><li>● Select "<b>Static</b>" mode</li><li>● Press "<b>Enter</b>" key</li><li>● Set the <b>IP\Mask\GW\DNS\web port\telnet port</b></li><li>● Press "<b>Save</b>" key to make it work</li><li>● Tips "<b>Network is changed, press OK reboot</b> "</li></ul> |

#### PPPoE Setting

| Feature | Operating Steps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PPPoE   | <p>Press <b>OK</b> or <b>MENU</b>&gt; <b>System Settings</b>&gt; <b>Advanced Settings</b>&gt; <b>Password</b>(Default is Empty)&gt; <b>Network</b>&gt; <b>LAN Port</b></p> <ul style="list-style-type: none"><li>● Press <b>LAN Port</b> to login in to the menu</li><li>● Select "<b>PPPoE</b>" mode</li><li>● Press "<b>Enter</b>" key</li><li>● Set the <b>User Name&gt;Password\web port\telnet port</b></li><li>● Press "<b>Save</b>" key to make it work</li><li>● Tips "<b>Network is changed, press OK reboot</b> "</li></ul> |

#### WIFI setting (only WS320 has this item)

Tips: The WIFI ip phone support 802.11b/g/n, not support 802.11a.

| If you want to... | This... |
|-------------------|---------|
|-------------------|---------|

|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Set WIFI | <p>--1) Choose "Menu"&gt;"System settings"&gt;"advanced settings"&gt;"advanced password (default is empty)"</p> <p>--2) Press navigation to choose WIFI settings;</p> <p>--3) Press "ok" button to change the it <b>Enable</b> or <b>Disable</b></p> <p>-<b>Set WIFI IP: Default IP:</b> make it default setting , <b>Modify IP:</b> change it what you want. <b>Mode: mode one: change the wifi IP 10.0.X.X/8 ;mode two : change the wifi IP 1.0.X.X/8 (it can prevent IP conflict)</b></p> <p>-<b>Current site:</b> the wifi which the phone use now and information</p> <p>-<b>WPA/WPA2:</b> select the encryption mode(AES/TKIP)</p> <p>-<b>Site list:</b> search site what you want to connect.</p> <p>--4) Press "site list", choose one wifi network which the phone searched</p> <p>-<b>SSID:</b> SSID name</p> <p>-<b>BSSID:</b> the mac address of the WIFI network</p> <p>-<b>Channel:</b>the channel of the WIFI network use</p> <p>-<b>Type:</b>the type of the WIFI network</p> <p>-<b>Encrypt:</b>the encrypt of the WIFI network</p> <p>-<b>Signal:</b>the signal of the WIFI network</p> <p>--5) Press "SSID", set WIFI which you choose</p> <p>-<b>Encryption:</b> the encryption of the WIFI network</p> <p>-<b>Key type:</b> the key type of the WIFI network</p> <p>-<b>Key:</b> the password which you should set to allow yourself to enter the WIFI network</p> |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### 3.4 SIP Account Settings

WS290 IP phone makes calls based on sip accounts, It can support Single account or Multi-account, Each account can be configured to the different SIP server.

| If you want to...     | Then...                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Create an SIP account | <p>--1) Select "System setting" &gt; "Advanced setting";</p> <p>--2) Enter the password required (The default is empty) ;</p> <p>--3) Select "SIP" &gt; "Account sip";</p> <p>--4) Select one of the account you want to setting, you can configure the following parameters</p> <ul style="list-style-type: none"> <li>-<b>Enable account*</b>: Select Enable</li> <li>-<b>Number of lines</b>: Default is 2</li> <li>-<b>Description</b>: description of this account</li> <li>-<b>Display Name</b>: The name displayed on the screen</li> <li>-<b>Authentication user</b>: the Authenticated users are matched with the SIP server.(The default With the same account)</li> <li>-<b>Account*</b>: the account matches with the SIP server.(extension number)</li> <li>-<b>User pass word*</b>: the user password matches with the SIP server</li> <li>-<b>SIP Server*</b>: The primary SIP server, all calls through this server</li> <li>-<b>Out Bound Server</b>: The out bound SIP server</li> <li>-<b>STUN Type</b>: Enable/Disable STUN feature</li> <li>-<b>STUN</b>: Input STUN URL</li> <li>-<b>Auto Answer</b>: Enable/Disable this account auto answer feature</li> </ul> <p>* <b>Note</b>: When you finish the setting, you can press Save to make it work, and then you can see the status icon in the LCD idle. </p> <p>The parameters with the * mark must be set.</p> |
| Disable sip account   | <p>--1) Select "System setting" &gt; "Advanced setting";</p> <p>--2) Enter the password required (The default is empty) ;</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

|  |                                                                                                                        |
|--|------------------------------------------------------------------------------------------------------------------------|
|  | --3) Select "SIP" > "Account sip";<br>--4) Select "Enable account" > "Disable";<br>--5) Select "Save" to save settings |
|--|------------------------------------------------------------------------------------------------------------------------|

## 3.5 Basic Features

### 3.5.1 Making a Call

Here are some easy ways to place a call on SayHi IP Phone:

| If you want to...                 | Then...                                                                                                                                                                                                   |                                                                                                                                                         |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Place a call using the handset    | Pick up the handset                                                                                                                                                                                       | --1) You can hear dial tone;<br>--2) Enter a number;<br>--3) Press # button (default),<br>-or wait 5s (default), then it send the number automatically. |
| Place a call using a speakerphone | Press <b>Speaker</b> button                                                                                                                                                                               |                                                                                                                                                         |
| Place a call using a headset      | Put on your headset, active <b>Headset</b> button so that the status light is Red  , and then do as using speakerphone |                                                                                                                                                         |

### 3.5.2 Anonymous Call

You can use anonymous call feature to block the identity and phone number from showing up to the called party when you call someone. E.g, you want to call to consult some of the services, but you don't want to be harassed.

|                       |                                                                                                                                                    |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Enable Anonymous Call | Press OK or MENU> Function Setting> Anonymous                                                                                                      |
|                       | --Press <b>Enter or OK</b> button ,<br>--You can select which Account want to use, enable/disable this feature and enable/disable reject anonymous |

### 3.5.3 Redial

To redial the last placed call from your phone

|        |                                                                                                                                                               |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Redial | --Press <b>REDIAL</b> button to dial the last number<br><br>-or press <b>Navigation button-Left</b> > "Dialed number", select a number, and press <b>Dial</b> |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|

### 3.5.4 Call Log

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dial from a call log | --1) Press <b>MENU</b> or <b>OK</b> button > "Call history", you can select "All Calls", "Missed calls", "Received calls" and "Dialed numbers",<br><br>- or press <b>Navigation button</b> (in Standby interface) > select "All Calls"(up) "Missed calls"(down), "Received calls"(left) and "Dialed numbers" (right)<br><br>--2) Then press <b>Dial</b> button.<br><br><b>NOTE: You also can press the "log" to login this menu when in the idle.</b> |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### 3.5.5 Making Calls to Contact

You can also dial a contact from the Personal Phone Book.

|                           |                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Placing Calls to Contacts | --1) Press <b>MENU</b> or <b>OK</b> button > "Phone Book", you can select "Personal Phone Book", "Enterprise Phone Book", "LDAP" and "Black List",<br><br>- or press <b>Navigation button</b> (in Standby interface) > select the desired contact.<br><br>--2) Then press <b>Dial</b> button.<br><br><b>NOTE: You also can press the "DIR" to login this menu when in the idle.</b> |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### 3.5.6 Multi-lines to Answer the Call

|                                |                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Multi-lines to Answer the Call | <p>--1) Another <b>Line</b> button is Red  and flashing, Light strip is Red and flashing;</p> <p>--2) Press the flashing  <b>Line</b> button to answer (at this time, the original call will be hold.)</p> |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### 3.5.7 Auto-Answer

You can set the phone and let it auto-answer the coming call.

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Auto-Answer the Coming Call | <p>--1) Enable the Auto-Answer feature.</p> <p>--2) Auto-Answer mode you can set in the MENU&gt;Function Setting&gt;Auto Answer &gt;Device</p> <ul style="list-style-type: none"><li>● Speaker</li><li>● Handset</li><li>● Headset</li></ul> <p>When you use the Handset mode, at this time you need to hands up the handset and then it can work at this status.</p> <p>--3)Filter Groups</p> <p>Auto-answer the coming call in this special groups.</p> |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### 3.5.8 Ending a Call

To end a call, hang up. Here are some more details.

|                                 |                                                                                                                                  |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Hang up while using the Handset | <p>--Return the handset to its cradle,</p> <p>-or press <b>End</b></p>                                                           |
| Hang up while using the         | --Press <b>Speaker</b> button that is Red  , |

|                                                               |                                                                                                                 |
|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Speakerphone                                                  | -or press <b>Line</b> button for the appropriate line,<br>-or press <b>End</b>                                  |
| Hang up while using the Headset                               | --Press <b>Handset</b> button, (Do not keep the headset mode) ,<br>-or press <b>End</b> (keep the headset mode) |
| Hang up one call, but preserve another call on the other line | --Press <b>End</b> ,<br>-or refer to the above three methods                                                    |

### 3.5.9 Using Hold and Recover (Switch Calling Line)

You can hold and resume calls. You can take a call in one line at anytime, and the other lines would be hold. As a result of that, you can switch different calling line on our phone.

| If you want to...                      | Then...                                                            |
|----------------------------------------|--------------------------------------------------------------------|
| Put a call on hold                     | --Press <b>HOLD</b> button,<br>-or press soft key <b>Hold</b>      |
| Hold a line and switch to another line | Press another <b>Line</b> button for the appropriate line          |
| Resume a call on current line          | --Press <b>Line</b> button,                                        |
| Release a call on different line       | Select the line want to release hold, press the line, so recovery; |

#### NOTES

- Engaging the Hold feature typically generates music or a beeping tone.
- A held call is indicated by the Yellow-green  and flashing Line button or Hold in the LCD.

### 3.5.10 Transferring Calls

Transfer redirects a connected call. The target is the number to which you want to transfer the call.

|                                       |                                                                        |
|---------------------------------------|------------------------------------------------------------------------|
| Talk to the transfer recipient before | --1) Press <b>TRANSFER</b> button or press XFER;<br>--2) Enter number; |
|---------------------------------------|------------------------------------------------------------------------|

|                                                                                                                      |                                                                                                                                                                                                                                      |
|----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| transferring a call<br>(consult transfer)                                                                            | --3) press “#” (default) ,<br>-or press <b>Send</b> then transfer the call,<br>-or wait five seconds(default)then transfer the call                                                                                                  |
| Transferred to idle<br>lines or other<br>numbers without<br>talking to the transfer<br>recipient<br>(Blind transfer) | --1) Press <b>TRANSFER</b> button or XFER;<br>--2) Press <b>Blind</b> ;<br>--3) Enter number;<br>--4) Press “#” (default)<br>-or press <b>Send</b> , then transfer the call;<br>-or wait five seconds(default)then transfer the call |
| Blind transfer to the<br>held line                                                                                   | --1) Press <b>TRANSFER</b> button or press XFER;<br>--2) Press the <b>Line</b> button of held line                                                                                                                                   |

### 3.5.11 Using Mute

With Mute enabled, you can hear other parties on a call but they cannot hear you. You can use mute in conjunction with the handset, speakerphone, or a headset.

|                 |                                                                                                                                                                  |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Toggle Mute on  | Press <b>C</b> button, then the screen top and left will have a MUTE icon<br> |
| Toggle Mute off | Press <b>C</b> button again, then the button light off                                                                                                           |

### 3.5.12 Do Not Disturb

You can use the Do Not Disturb(DND) feature to block incoming calls on your phone with a busy tone (Can also be set to their voice mail or other extension numbers, etc.).

|                             |                                                                                                                                                                                                               |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Enable global DND           | --1) Press <b>DND</b> ;<br><br>--2) All enabled line on the phone would changes to  status. and the icon is <b>DND</b> . |
| Enable DND on a single line | Press <b>MENU</b> or <b>OK</b> button > “Function setting” > “DND” > (select line)<br>“Enable”                                                                                                                |
| Disable DND                 | --Global DND enabled, press <b>DND</b> to disable global DND;<br>--Line DND enabled, press twice <b>DND</b> ,                                                                                                 |

|  |                                                                                                 |
|--|-------------------------------------------------------------------------------------------------|
|  | -or press <b>MENU</b> or <b>OK</b> button > "Function setting" > "DND" >(select line) "Disable" |
|--|-------------------------------------------------------------------------------------------------|

### 3.5.13 3-way Conference

You can enable a three-party conference, during the conversation three phone parties can communicate with every party.

| If you want to...                                                 | Then...                                                                                                                                                                                                                                                                                                  |
|-------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Invite the transfer recipient into a conference in a transferring | --1) When the transfer recipient answer the call, press <b>CONFERENCE</b> button or "CONF" on your phone;<br>--2) Then the held one, transfer recipient and you will be into a conference, and the LCD will display <span style="border: 1px solid black; padding: 2px;">conferenc 0:0:10</span> status. |
| Invite the third party into a conference in a active call         | --1) Press " <b>CONFERENCE</b> " button or "CONF" in an active call;<br>--2) Enter the third party number;<br>--3) After connected the third party, press " <b>CONFERENCE</b> " button or "CONF" again                                                                                                   |
| establish a conference with held line                             | --1) when one phone line is holding on and the other line is busy;<br>--2) Press " <b>CONFERENCE</b> " button,<br>-or Press "CONF" Soft key<br>--3) Press the held line's programmable button, the 3-way Conference is enable.                                                                           |

### 3.5.14 Voice Mail

When the Phone get a voice mail from server. it will light up the voice mail button .

|            |                                                                                                                                                                                                                                                                                                                                                                          |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Voice Mail | --1 ) Press the Voice Mail button(There has Voice Mail icon  ,without is <br>--2 ) Enter the User Password<br>--3 ) It will login into the voice mail server. You need to follow the IVR to do it. |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## 3.6 Advanced Settings

### 3.6.1 Using the phone book

#### Enterprise Phone Book

|                                                      |                                                                                                                                                                                                                                                                                                                               |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Search the Contacts<br>from Enterprise<br>Phone Book | --1) Press DIR in the idle status,<br><br>-or press " <b>MENU</b> " or "OK" button > "Phone book">"Enterprise<br>Phone Book",<br><br>--2) Select "Enterprise Phone Book", press " <b>OK</b> " button;<br><br>--3) Press "Find" and input the name who you want to search.                                                     |
| Call the Contact<br>from Enterprise<br>Phone Book    | --1) Press "DIR" in the idle,<br><br>-or press " <b>MENU</b> " or "OK" button > "Phone book">"Enterprise<br>Phone Book",<br><br>--2) Select "Enterprise Phone Book", press " <b>OK</b> " button;<br><br>--3) Press "Find" and input the name who you want to search.<br><br>--4) When you search the person, you can dial it. |

#### Personal Phone Book

|              |                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Add Contacts | --1) Press Phone Book,<br><br>-or press " <b>MENU</b> " button > "Phone book">"Personal phone<br>book>View All",<br><br>-or press " <b>OK</b> " button > "Phone book">"Personal phone book>View<br>All";<br><br>--2) Select "Add contact", press " <b>OK</b> " button;<br><br>--3) Use the navigation keys to select content, press " <b>OK</b> " button to set<br>and modify:<br><br>-Name: set the name of contact, |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|              | <p>-Office Number: Setting the contact Office Number</p> <p>-Mobile Phone Number: Setting the contact Mobile Phone Number</p> <p>-Others Number: Setting the contact Others Number</p> <p>-SIP Account: Setting the contact call SIP account</p> <p>-Group: the contacts be divided into different user's groups</p> <p>--4) Press "<b>Save</b>" soft key to complete</p>                                                                                                                 |
| Add group    | <p>--1) Press "DIR" soft key,</p> <p>-or press "<b>MENU</b>" button &gt; "Phone book"&gt;"Personal phone book"&gt;View All",</p> <p>-or press "<b>OK</b>" button &gt; "Phone book"&gt;"Personal phone book"&gt;View All";</p> <p>--2) Select the "add group" then press <b>OK</b> button;</p> <p>--3) Use the navigation keys to select content, press <b>OK</b> button to set and modify:</p> <p>-Group name: name of the group</p> <p>--4) Press "<b>Save</b>" soft key to complete</p> |
| Modify group | <p>--1) Press "DIR" soft key,</p> <p>-or press "<b>MENU</b>" button &gt; "Phone book"&gt;"Personal phone book"&gt;View All",</p> <p>-or press "<b>OK</b>" button &gt; "Phone book"&gt;"Personal phone book"&gt;View All";</p> <p>--2) Select the "Modify group" then press "<b>OK</b>" button ;</p> <p>--3) Select the group you want to modify, press the "<b>OK</b>" button to set and modify, press "<b>Save</b>" to save the change</p>                                               |
| Delete group | <p>--1) Press "DIR" soft key,</p> <p>-or press "<b>MENU</b>" button &gt; "Phone book"&gt;"Personal phone book"&gt;View All",</p> <p>-or press "<b>OK</b>" button &gt; "Phone book"&gt;"Personal phone book"&gt;View</p>                                                                                                                                                                                                                                                                   |

|  |                                                                                                                                               |
|--|-----------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p>All”;</p> <p>--2) Select the “Delete group” or <b>OK</b> button;</p> <p>--3) Select a group you want to delete, press <b>OK</b> button</p> |
|--|-----------------------------------------------------------------------------------------------------------------------------------------------|

## LDAP

|                               |                                                                                                                                                                                                                                                                                                                                |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Search the Contacts from LDAP | <p>--1) Press "DIR" in the idle,</p> <p>-or press "<b>MENU</b>" or OK "button" &gt; “Phone book”&gt;“LDAP”,</p> <p>--2) Select “LDAP”, press "<b>OK</b>" button;</p> <p>--3) Press "Find" and input the name or number who you want to find search from the LDAP server.</p>                                                   |
| Call the Contact from LDAP    | <p>--1) Press "DIR" in the idle,</p> <p>-or press "<b>MENU</b>" or "OK" button &gt; “Phone book”&gt;“LDAP”,</p> <p>--2) Select “LDAP”, press "<b>OK</b>" button;</p> <p>--3) Press "Find" and input the name or number who you want to find from the LDAP server.</p> <p>--4) When you search the person, you can dial it.</p> |

## Black List

|                                  |                                                                                                                                                                                                                                                                                                                                |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Add the Contacts                 | <p>--1) Press "DIR" in the idle,</p> <p>-or press "<b>MENU</b>" or "OK" button &gt; “Phone book”&gt;“Black List”,</p> <p>--2) Select “Black List”, press "<b>OK</b>" button;</p> <p>--3) Press "Add" and input the name\office number\mobile number\other number\SIP account who what you want to add into the Black List.</p> |
| View the Contact from Black List | <p>--1) Press "DIR" in the idle,</p> <p>-or press "<b>MENU</b>" or "OK" button &gt; “Phone book”&gt;“Black List”,</p>                                                                                                                                                                                                          |

|  |                                                                                                                                                                                           |
|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | --2) Select "Black List", press <b>"OK"</b> button;<br>--3) Press "RUN" to view someone who what you want to find.<br>--4)If you want to move or change it, you can follow the RUN to do. |
|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### 3.6.2 Using Call Logs

Your phone maintains records of your missed, placed, and received calls.

|                       |                                                                                                                                                                                              |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| View call logs        | --1) Press <b>"MENU"</b> or <b>"LOG"</b> button > "All Call" > "Missed Calls",<br>"Received Calls", or "Dialed numbers"<br>--2) Use the navigation keys to view the call record information. |
| Delete/Save Call Logs | --1) Login in to the Call Logs<br>--2) Use the navigation keys to view the call record or select DEL key.<br>--3) Use the navigation keys to view the call record or select Save key.        |

### 3.6.3 Peer-to-Peer

When all of the phone accounts were disable or not register. it will be show this mode in the idle. It can use by when the new workstation isn't have SIP server.

|                             |                                                                                                                                                                                                     |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Peer-to-Peer                | Disable all of accounts or not register.                                                                                                                                                            |
| Make Call with Peer-to-Peer | --1) Press OK or MENU button> System Setting> Advanced Setting> SIP Account;<br>--2) Disable all of accounts or un-register;<br>--3) Turn back the phone idle, you can call someone use IP address. |

### 3.7 Keypad Setting

SayHi series IP Phone can through two ways configuration it, one is setting in MENU, another is setting in website. Here just description in MENU.

NOTES: When you want to input the IP address like ".", it was replaced by the "\*".

### 3.7.1 Language Setting

WS290 IP Phone support Multi-Language setting, as below is an example.

|                                                 |                                                                                                                                                                                                                                                         |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Switch the Language between Chinese and English | --1) Press OK or MENU button> System Setting> Phone Setting> Language<br><br>--2) Here you can select<br><br>English\French\Italian\Polish\Protuguese\Runssian\Spanish\Turkish\Chinese<br><br>--3) After you finish select, press Save to make it work. |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### 3.7.2 Message

WS290 have Message feature. It will display in the LCD when it has a New Message.

|                  |                                                                                                                                                                                                                                                                                                                |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Create a Message | --1) Press OK or MENU button;<br>--2) Select "Messaging"<br>--3) Voice Message: Setting the Voice Message code in here.<br>Text Message: Write down the Text Message in here.<br>--4) Select Text Message> New Message.<br>--5) Input the receiver and write down message body, and then press send to finish. |
| Message Inbox    | --1) Select Message Inbox.<br>--2) Select which one you want to check.<br>--3) You can press Enter to read or press Del to delete.                                                                                                                                                                             |

### 3.7.3 Time & Date

|            |                                                                                                                                                                                                                                                                                                               |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SNTP       | --1) Press OK or MENU button;<br>--2) Press OK or MENU button> System Setting> Phone Setting> Time & Date> Time and Date setting> SNTP<br>--3) SNTP<br>-Time Zone: Setting the time zone<br>-NTP Server 1: NTP server address 1<br>-NTP Server 2: NTP server address 2<br>-DayLight: Enable/Disable Day Light |
| SIP Server | --1) Press OK or MENU button;<br>--2) Press OK or MENU button> System Setting> Phone Setting> Time & Date> Time and Date setting>SIP Server                                                                                                                                                                   |

|                        |                                                                                                                                                                                                                                                            |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                        | --3) Press Save to make it work                                                                                                                                                                                                                            |
| Manual Setting         | Press OK or MENU button;<br>--2) Press OK or MENU button> System Setting> Phone Setting> Time & Date> Time and Date setting> Manual Setting<br>--3) Manual Setting<br>- Manual Setting: Year\Month\Days\Hours\Minutes\Seconds                              |
| Time Display<br>Format | --1) Press OK or MENU button;<br>--2) Press OK or MENU button> System Setting> Phone Setting> Time & Date> Time Display Format<br>--3) Time Mode: 24hour\12hour<br>Date mode:<br>DDMMWW\MMDDWW\WWDDMMM\DDMMYY\YYYYMMDD\DDMMYY\MMDDYY\DDMMYYYY\WWDDMMM etc. |

### 3.7.4 Ring Tone and Volume Setting

|                |                                                                                                                                                                                                                                                  |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ring Type      | --1) Press OK or MENU button;<br>--2) Press OK or MENU button> System Setting> Phone Setting>Ring Type<br>--3) Select the ring type from 1 to 8 or custom ring, and then press Save to make it work.                                             |
| Volume Setting | --1) Press OK or MENU button;<br>--2) Press OK or MENU button> System Setting> Phone Setting> Volume Setting<br>--3) Volume Setting: Handset\Speaker\Headset\Ring volume<br>--4) Press Enter to adjust the volume and press Save to make it work |

NOTES: For the Custom Ring Type you need to upload it from website.

### 3.7.5 Searching Phone Book

|                 |                                                                                                                                                                                                                                      |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Accurate Search | --1) Press <b>MENU</b> or <b>OK</b> button > "Function Setting", you can select " Accurate Search "<br>--2) Then press Enable/Disable and Save.<br>--3) When you back to idle, you can use the digital keypad to search the contact. |
| T9 Search       | --1) Press <b>MENU</b> or <b>OK</b> button > "Function Setting", you can select " T9 search"<br>--2) Then press Enable/Disable and Save.<br>--3) When you back to idle, you can use the digital keypad to search the contact.        |

NOTES: The Search Phone Book setting default is Accurate Search.

[www.escene.cn/en/](http://www.escene.cn/en/)

Escene Communication

### 3.7.6 Cannot Set the Features with Keypad

As below features are cannot setting with the keypad:

- 1) Dial Plan.
- 2) Custom Ring Type
- 3) SNTP Server and Time & Date
- 4) Update the Firmware or Backup.

## 4. WEB User Interface

In addition to the phone user interface, you can also customize your phone via web user interface. In order to access the web user interface, you need to know the IP address of your new phone. To obtain the IP address, press the C key on the phone. Enter the IP address (e.g. HTTP://192.168.0.10 or 192.168.0.10) in the address bar of web browser on your PC. The default user name is root (case-sensitive) and the password is root (case-sensitive).

### Main Interface-Phone Status

Here you can see as below information: System Run Time, Register Status, Network Status, System Information,

The screenshot shows the ESCENE web interface. On the left is a navigation menu with options: Phone Status (selected), Network, SIP Account, Phone Setting, PhoneBook, Phone Maintenance, and Password. The main content area is titled 'Current Location: Phone Status' and 'Phone Status'. It contains several sections: 'System Run Time' (1 Days17 Hours22 Minutes17 Seconds), 'Register status' (Account1: Registered, Account2: Unregister), 'Network Status' (LAN Connection: Dynamic, MAC Address: 00:26:8b:01:c4:3c, LAN IP Address: 192.168.0.205, Netmask: 255.255.255.0, Gateway: 192.168.0.1, Primary DNS: 210.21.4.130, Secondary DNS: 192.168.1.200, VPN IP Address, PC IP Address, PC Netmask, Device Type: Bridge, DHCP Server: off), and 'System Info' (Phone Model: ES290N, Software Version: V1.0.8.8-3974, Hardware Version: V2.x.x, Hardware ID: 1, Kernel Version: V2.6.4, AutoProvision Server URL: voip.autoprovision.com, TFTP Server IP: voip.autoprovision.com). On the right, there are three notes: 'Register status: It shows the Register Status.', 'Network Status: It shows the information of LAN port and PC port.', and 'System Info: It shows the version of firmware'.

| ITEM            | DESCRIPTION                                                       |
|-----------------|-------------------------------------------------------------------|
| System Run Time | The phone system normal running time.                             |
| Register Status | The status with Account 1~2.                                      |
| Network Status  | The status with LAN, MAC, LAN IP, Net mask, Gateway, Primary DNS, |

|                    |                                                                                                                                          |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------|
|                    | Secondary DNS, VPN IP, PC IP, PC Net mask, Device Type, DHCP Server.                                                                     |
| System Information | The status with Phone Model, Software Version, Hardware Version, Hardware ID, Kernel Version, Auto-Provision Server URL, TFTP Server IP. |

## 4.1 Net Work

### 4.1.1 LAN Port

**NOTE:** For the WIFI model, it didn't have the LAN port, but it can setting the LAN information.

#### Basic

Basic >>

☒ **DHCP** ?

Hostname(Option 12)

Manufacturer(Option 60)

☐ **Static IP** ?

IP Address

Netmask

Gateway

☐ **PPPoE** ?

Username

Password

MTU  Default: 1500

**DNS Settings**

DNS ☒ Automatic ☐ Manual DNS

Primary DNS

Secondary DNS

| ITEM                    | DESCRIPTION                                         |
|-------------------------|-----------------------------------------------------|
| Network Connection Mode | Network Connection Mode has DHCP, Static IP, PPPoE. |
| DNS Settings            | Select the DNS mode that you want.                  |

## Advanced

**Port Management Settings**

HTTP Port

80

Telnet Port

23

**Socket5 Proxy Server**

Socket5 Proxy Server

☒ off
☐ on

Server IP

\*

Port

1080

\*

Anonymous Login

☒

Username

Password

**Paging Setting**

Paging 1

☒ off
☐ on

Group IP

Port: 10000

Paging 2

☒ off
☐ on

Group IP

Port: 10000

Paging 3

☒ off
☐ on

Group IP

Port: 10000

Paging 4

☒ off
☐ on

Group IP

Port: 10000

Paging 5

☒ off
☐ on

Group IP

Port: 10000

Please Note: Changing the default HTTP Port (80) will require using the new port number to access the IP phone web interface. Please note that changes require a reboot. Use the following format when not using the default HTTP (http://ip address:portnumber).

| ITEM                            | DESCRIPTION                                                                                                                                                                                                                                               |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Port Management Settings</b> |                                                                                                                                                                                                                                                           |
| HTTP Port                       | The default web port is 80,if you want to change it(for example change it to88),<br>You must input IP and Web port to login the web page(for example <a href="http://192.168.0.200:88">HTTP://192.168.0.200:88</a> ). It will take effect on next reboot. |
| Telnet Port                     | The default Telnet port is 23,if you want to change it(for example change it to 2003). You must input IP and Telnet port to login the manage page (for example telnet 192.168.0.200:2003).It will take effect on next reboot.                             |

| Socket5 Proxy Server                                                                                                                 |                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| Socket5 Proxy Server                                                                                                                 | Enable/Disable Socket5 Proxy Server.                |
| Server IP                                                                                                                            | Socket5 Proxy Server IP address.                    |
| Port                                                                                                                                 | Socket5 Proxy Server port, default is 1080.         |
| Anonymous Login                                                                                                                      | Enable/Disable Socket5 Proxy Server login username. |
| <b>Paging Setting(NOTE: This feature priority is followed the serial number, In other words, "paging 1" is the highest priority)</b> |                                                     |
| Paging1                                                                                                                              | Enable/Disable Paging feature.                      |
| Group IP and Port                                                                                                                    | Group IP and Port with Paging.                      |

### 4.1.2 PC Port

Normally choose Bridge, if you choose Router ,you need to input router IP address ,net mask.

The screenshot shows a configuration window for the PC Port. At the top, there are two radio buttons: 'Bridge' (selected) and 'Router'. Both have a question mark icon. Below these, there are several input fields and a toggle switch:

- IP Address:** A text input field with an asterisk (\*) to its right.
- Netmask:** A text input field with an asterisk (\*) to its right.
- DHCP Server:** A toggle switch with 'off' selected and 'on' as an option.
- Start IP:** A text input field.
- End IP:** A text input field.

### Bridge

Normally, you should choose “bridge” feature, it means that pc port and LAN port will share the same network.

### Router

Router feature is for the phone PC Port. You must input IP address (it’s equivalent to a gateway) and Net mask. If you want to use DHCP function, please turn it on, input start IP and end IP.

### 4.1.3 Advanced

#### VPN Setting

VPN Setting >>

Enable VPN

☐

VPN Type

L2TP

OPEN VPN

L2TP

VPN Server Addr

VPN User Name

VPN Password

OPEN VPN

Attention: The trusted certs dir is /mnt/sip/vpn/

Upload VPN Config

浏览...

upload

When using VPN Setting option, you can set several parameters as follow:

| VLAN Setting    |                                              |
|-----------------|----------------------------------------------|
| Enable VPN      | You can enable/disable VPN for phone and pc. |
| VPN Type:       | Choose the appropriate type of VPN.          |
| VPN Server Addr | VPN server's IP.                             |
| VPN User Name   | VPN user's name                              |
| VPN Password    | A password be used for authentication        |
| OPEN VPN        | Upload the *.ovpn file to the phone          |

#### VLAN Setting

Enable Vlan:

☐

LAN Port

VID:

(0~4094)

Priority:

▼

(0~7)

PC Port

VID:

(0~4094)

Priority:

▼

(0~7)

When using VLAN Setting option, you can set several parameters as follow:

| VLAN Setting |                                              |
|--------------|----------------------------------------------|
| Enable VLAN  | You can enable/disable vlan for phone and pc |

|                      |                                              |
|----------------------|----------------------------------------------|
| VID<br>[LAN/PC Port] | The vlan ID you want the phone or pc to join |
|----------------------|----------------------------------------------|

## 5 SIP Account

### 5.1Basic

|                                       |                                                                                            |
|---------------------------------------|--------------------------------------------------------------------------------------------|
| Enable                                | <input checked="" type="checkbox"/> ?                                                      |
| Account Mode                          | VOIP ▾                                                                                     |
| Amount Of Line Account Used           | 1 ( Default: 2)                                                                            |
| Display Name                          | <input type="text"/> ?                                                                     |
| Username                              | 5207 * ?                                                                                   |
| Authenticate Name                     | 5207 ?                                                                                     |
| Password                              | •••• * ?                                                                                   |
| Label                                 | <input type="text"/> ?                                                                     |
| SIP Server                            | 192.168.0.7 ?                                                                              |
| Secondary server                      | <input type="text"/> ?                                                                     |
| OutboundProxy Server                  | <input type="text"/> ?                                                                     |
| Secondary OutboundProxy Server        | <input type="text"/> ?                                                                     |
| Polling Interval Time Of Registration | 32 s Default Value: 32s , Range: 20s~~60s                                                  |
| NAT Traversal                         | Disable ▾ ?                                                                                |
| STUN Server                           | <input type="text"/> ?                                                                     |
| BLA                                   | <input checked="" type="radio"/> off <input type="radio"/> on                              |
| BLA Number                            | <input type="text"/>                                                                       |
| Subscribe Period                      | 1800 Default: 1800s, Min: 120s ?                                                           |
| Register Expire Time                  | 3600 Default: 3600s, Min: 40s ?                                                            |
| Auto Answer                           | <input checked="" type="radio"/> off <input type="radio"/> on                              |
| SIP Transport                         | <input checked="" type="radio"/> UDP <input type="radio"/> TCP <input type="radio"/> TLS ? |
| Ring Type                             | None ▾ ?                                                                                   |

Choose one Account, you will find the following parameters:

| ITEM         | DECSRIPTION                                                                                                                        |
|--------------|------------------------------------------------------------------------------------------------------------------------------------|
| Enable       | You can choose on/off to enable/disable the line.                                                                                  |
| Account Mode | You can choose VOIP/PSTN, but this model nonsupport PSTN, If you need, Pls contact us to buy another model that can supports PSTN. |

|                                      |                                                                                   |
|--------------------------------------|-----------------------------------------------------------------------------------|
| Amount Of Line Account Used          | The line key of account used, default is 2                                        |
| Display Name                         | It is showed as Caller ID when making a phone call                                |
| Username                             | It is a username provided by SIP Server                                           |
| Authenticate Name                    | It is authenticated ID for authentication                                         |
| Password                             | It is a password provided by SIP Server                                           |
| Label                                | Label with this account.                                                          |
| SIP Server                           | Server for registration, provided by administrator                                |
| Secondary server                     | When the main server can't work, it also can register in this secondary server.   |
| Outbound Proxy Server                | Put into the address with the outbound proxy server.                              |
| Secondary Outbound Proxy Server      | When the main out bound server can't work, it also can use this secondary server. |
| Poling Interval Time Of Registration | Poling Interval Time Of Registration, default is 32 s.                            |
| NAT Traversal                        | Defines the STUN server will be active or not                                     |
| STUN Server                          | Session traversal utilities for NAT.                                              |
| BLA                                  | Share with the line.                                                              |
| BLA Number                           | BLA Number                                                                        |
| Subscribe Period                     | Subscribe expire time.                                                            |
| Register Expire Time                 | IP phone automatically registered every time                                      |
| SIP Transport                        | There are UDP/TCP/TLS three options                                               |
| Ring Type                            | Select this account ringing type.                                                 |

## 5.2 Call

|                          |                                                                 |
|--------------------------|-----------------------------------------------------------------|
| Do Not Disturb           | <input checked="" type="radio"/> off <input type="radio"/> on   |
| Anonymous Call           | <input checked="" type="radio"/> off <input type="radio"/> on ? |
| Anonymous Call Rejection | <input checked="" type="radio"/> off <input type="radio"/> on ? |
| Use Session Timer        | <input checked="" type="radio"/> off <input type="radio"/> on   |
| Session Timer            | <input type="text" value="300"/> (min:150s)                     |
| Call Method              | <input checked="" type="radio"/> SIP <input type="radio"/> TEL  |
| DNS-SRV                  | <input checked="" type="radio"/> off <input type="radio"/> on   |
| Allow-events             | <input checked="" type="radio"/> off <input type="radio"/> on   |
| Registered NAT           | <input type="radio"/> off <input checked="" type="radio"/> on   |
| UDP Keep-alive Message   | <input checked="" type="radio"/> off <input type="radio"/> on   |
| UDP Keep-alive Interval  | <input type="text" value="30"/> (15-60s)                        |

| ITEM                     | DECSRIPTION                                                                                                                       |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| <b>Call</b>              |                                                                                                                                   |
| Do Not Disturb           | Enable/Disable Do Not Disturb                                                                                                     |
| Anonymous Call           | Enable/Disable anonymous call.                                                                                                    |
| Anonymous Call Rejection | Enable/Disable anonymous call rejection.                                                                                          |
| Use Session Timer        | Enable/Disable refresh session function. The device will send an Invite packet to refresh the session during a call if it enable. |
| Session Timer            | The refresh session time interval.                                                                                                |
| Call Method              | This method include SIP and TEL.                                                                                                  |
| DNS-SRV                  | Enable/Disable DNS-SRV.                                                                                                           |
| Allow-events             | Enable/Disable Allow-events.                                                                                                      |
| Registered NAT           | Enable/Disable Registered to NAT                                                                                                  |
| UDP Keep-alive Message   | The phone periodically sends a UDP packet to keep the port active and to avoid the server to shut down the port                   |
| UDP Keep-alive Interval  | Default is 30 second.                                                                                                             |

## 5.3 Security

|                      |                                                                 |
|----------------------|-----------------------------------------------------------------|
| SIP Encryption       | <input checked="" type="radio"/> off <input type="radio"/> on ? |
| RTP Encryption       | <input checked="" type="radio"/> off <input type="radio"/> on ? |
| Encryption Algorithm | RC4 ▼                                                           |
| Encryption Key       | <input type="text"/>                                            |

| ITEM                 | DECSRIPTION                                             |
|----------------------|---------------------------------------------------------|
| <b>Security</b>      |                                                         |
| SIP Encryption       | Enable/Disable SIP encryption.                          |
| RTP Encryption       | Enable/Disable RTP encryption.                          |
| Encryption Algorithm | The encryption algorithm at this time we only have RC4. |
| Encryption Key       | The key with encryption.                                |

## 6 Phone Setting

### 6.1 Basic

|                          |                                                                                                                                    |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| BackLight                | <input type="radio"/> off <input type="radio"/> Always On <input checked="" type="radio"/> timer 60 s (Min:1, Max:255) ?           |
| Keyboard Lock            | Disabled ▼ ?                                                                                                                       |
| Hot Line Function        | <input checked="" type="radio"/> off <input type="radio"/> Delay 5 s (0-30) ?                                                      |
| Hot Number               | <input type="text"/> ?                                                                                                             |
| Auto Answer              | <input checked="" type="radio"/> off <input type="radio"/> on <input type="radio"/> Turn On But Filter This Group: NONE ▼          |
| Auto Answer Mode         | <input checked="" type="radio"/> Hands Free <input type="radio"/> Handle <input type="radio"/> Headset                             |
| Call Waiting             | <input type="radio"/> off <input checked="" type="radio"/> on ?                                                                    |
| Call Waiting Tone        | <input type="radio"/> off <input checked="" type="radio"/> Play on currently active device Frequency: 10 s (5-60) ?                |
| DTMF                     | <input checked="" type="radio"/> RFC 2833 <input type="radio"/> Inband <input type="radio"/> SIP Info <input type="radio"/> Auto ? |
| Fuzzy Search             | <input checked="" type="radio"/> off <input type="radio"/> on                                                                      |
| Phonebook Search         | <input checked="" type="radio"/> Accurate Search <input type="radio"/> T9                                                          |
| Call List Save           | <input type="radio"/> off <input checked="" type="radio"/> on                                                                      |
| Network Packet Mirroring | Off ▼                                                                                                                              |

| ITEM         | DECSRIPTION |
|--------------|-------------|
| <b>Basic</b> |             |

|                          |                                                                                                               |
|--------------------------|---------------------------------------------------------------------------------------------------------------|
| Back Light               | The backlight of the phone LCD.                                                                               |
| Keyboard Lock            | Enable/Disable keyboard lock, you can lock: MENU Key, FUNCTION Key., ALL Keys, LOCK all keys but auto Answer. |
| Hot Line function        | When you pick up the handset, it will dial out with the hot number.                                           |
| Hot Number               | Input the number what you want to.                                                                            |
| Auto Answer              | Auto-answer the coming call, it also can filter a contact group.                                              |
| Auto Answer Mode         | Auto-answer the coming call, it also can filter a device to answer.                                           |
| Call Waiting             | When there's coming a call or the phone is talking, the second call will be in the queue.                     |
| Call Waiting Tone        | Select the frequency with the tone when call waiting.                                                         |
| DTMF                     | The DTMF transmitted mode, include RFC2833, Inband, SIP Info, Auto                                            |
| Fuzzy Search             | Fuzzy search someone with the phone book in the idle.                                                         |
| Phone Book Search        | Enable/Disable the phone book search feature with accurate or T9 mode.                                        |
| Call List Save           | You can choose to save the call list into the phone or not.                                                   |
| Network Packet Mirroring | When select on, then you can capture the phone's packet use notebook which connect to pc port of the phone    |

### 6.1.1 Time Settings

Set Time Mode ☒ SNTP ☐ SIP Server ☐ PSTN ☐ Manual

SNTp Server sparky.services.adelaide.edu.au ?

☒ sparky.services.adelaide.edu.au List

☐ sparky.services.adelaide.edu.au Manual

Update Interval 600 Seconds ?

Daylight Savings Time ☐ always off ☐ always on ☒ Auto ?

Time Format ☒ 24 Hour ☐ 12 Hour ?

Date Format DD MM WWW ?

Time Zone-GMT GMT+08:00 Beijing ?

Manual Setting 2000 Year 1 Month 1 Days 0

Hours 0 Minutes 0 Seconds

| ITEM | DESCRIPTION |
|------|-------------|
|------|-------------|

| Time Settings         |                                                           |
|-----------------------|-----------------------------------------------------------|
| Set Time Mode         | Include SNTP/SIP Server/PSTN/Manual                       |
| SNTP Server           | You can select in the list or input owner server address. |
| Update Interval       | The update interval with SNTP.                            |
| Day Light Saving Time | Enable/disable the DST for the phone                      |
| Time Format           | You can use 24 hour time format or 12 hour time format    |
| Date Format           | You can choose the appropriate time format.               |
| Time Zone-GMT         | You can select different time zone for the phone          |
| Manual Setting        | Setting time manually.                                    |

## 6.1.2 Call

|                               |                                                                                               |
|-------------------------------|-----------------------------------------------------------------------------------------------|
| Pickup Function               | <input type="radio"/> off <input checked="" type="radio"/> on                                 |
| Pickup Code                   | <input type="text" value="123"/>                                                              |
| Message                       | <input type="text" value="*97"/>                                                              |
| Booking Voicemail             | <input type="text" value="No"/> ▼                                                             |
| Play Voicemail Tone           | <input checked="" type="radio"/> off <input type="radio"/> on                                 |
| Miss Call Display             | <input type="radio"/> off <input checked="" type="radio"/> on                                 |
| DND Softkey                   | <input type="radio"/> off <input checked="" type="radio"/> on                                 |
| Play Hangup Tone              | <input type="radio"/> off <input checked="" type="radio"/> on                                 |
| Transfer Code                 | <input checked="" type="radio"/> off <input type="radio"/> on Number: <input type="text"/>    |
| Conference Exit Result        | <input checked="" type="radio"/> Disconnect All <input type="radio"/> Others Remain Connected |
| Return code when refuse       | <input type="text" value="603(Decline)"/> ?                                                   |
| Return code when DND          | <input type="text" value="603(Decline)"/> ?                                                   |
| Flash hook time(<800ms)       | <input type="text" value="500"/>                                                              |
| Called No AnswerTime          | <input type="text" value="70"/> s (Min:20, Max:99)                                            |
| Pound Send Method             | <input checked="" type="radio"/> # <input type="radio"/> %23                                  |
| RFC 2833 PayLoad              | <input type="text" value="101"/>                                                              |
| P-Asserted-Identity           | <input type="radio"/> off <input checked="" type="radio"/> on                                 |
| SIP Session Timer(seconds) T1 | <input type="text" value="0.5"/> ?                                                            |
| SIP Session Timer(seconds) T2 | <input type="text" value="4"/> ?                                                              |
| SIP Session Timer(seconds) T4 | <input type="text" value="5"/> ?                                                              |
| Local SIP port                | <input type="text" value="5060"/> (Default: 5060)                                             |
| RTP Port Range                | <input type="text" value="10000"/> -- <input type="text" value="10128"/>                      |
| Affiliated Port               | <input type="radio"/> off <input checked="" type="radio"/> on                                 |
| Headset Mode                  | <input checked="" type="radio"/> Normal <input type="radio"/> Seat Mode                       |
| Ring Type On Seat Mode        | <input checked="" type="radio"/> Headset <input type="radio"/> Speaker                        |

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| ITEM                    | DECSRIPTION                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------------------|
| <b>Call</b>             |                                                                                                              |
| Pickup Function         | When you are not in the position, others can help you to answer.                                             |
| Pickup Code             | Fill in server's pickup code.                                                                                |
| Message                 | The code with voice message.                                                                                 |
| Booking Voice Mail      | Open this feature, the phone light(Message) will be bright when it get message.                              |
| Play Voice Mail Tone    | Open this feature, it will be ringing when it get message.                                                   |
| Miss Call Display       | Turn on or off the display with Miss call in the phone LCD.                                                  |
| DND Soft key            | Enable/Disable the DND feature.                                                                              |
| Play Hang-up Tone       | The tone with hang up in busy.                                                                               |
| Transfer Code           | The code with transfer.                                                                                      |
| Conference Exit Result  | Conference originator hang up the phone, hang up two ways of it.                                             |
| Return Code When Refuse | Select the code feedback to the server when you reject the call.                                             |
| Return Code When DND    | Select the code feedback to the server when you open DND function.                                           |
| Flash Hook Time(<800ms) | The time with the flash hook.                                                                                |
| Called No Answer Time   | When it has coming call and enable this feature, the caller will be request time out in the stipulated time. |
| Pound Send Method       | When you to use the code, such as: #28#123 or %23123, you need to set this feature.                          |
| RFC 2833 Play Load      | Default is 101, RTP Payload for DTMF Digits, Telephony Tones and Telephony Signals                           |
| P-Asserted-Identity     | Enable/Disable the P-Asserted-Identity feature.                                                              |
| SIP Session Timer T1    | The SIP Session Timer setting.                                                                               |
| SIP Session Timer T2    | The SIP Session Timer setting.                                                                               |
| SIP Session Timer T4    | The SIP Session Timer setting.                                                                               |
| Local SIP Port          | The port range setting with SIP, default is 5060.                                                            |
| RTP Port Range          | The port range with RTP                                                                                      |
| Affiliated Port         | Enable/Disable the affiliated port feature.                                                                  |
| Headset Mode            | Select headset mode with normal or seat.                                                                     |
| Ring Type On Seat Mode  | Select ring type mode with headset or speaker.                                                               |

### 6.1.3 VoIP Call Forward

|                |                                                               |                                  |                      |   |
|----------------|---------------------------------------------------------------|----------------------------------|----------------------|---|
| Always         | <input checked="" type="radio"/> off <input type="radio"/> on | Number:                          | <input type="text"/> | ? |
| If Busy        | <input checked="" type="radio"/> off <input type="radio"/> on | Number:                          | <input type="text"/> | ? |
| If No Answer   | <input checked="" type="radio"/> off <input type="radio"/> on | Number:                          | <input type="text"/> | ? |
| Ring Frequency | <input type="text" value="15"/>                               | Seconds (Default: 15s, Max: 15s) |                      |   |

| ITEM           | DECSRIPTION                                                         |
|----------------|---------------------------------------------------------------------|
| Always         | All ways transfer the call to others.                               |
| If Busy        | If the phone was busy working, the call will be transfer to others. |
| If No Answer   | If the phone was no answer, the call will be transfer to others.    |
| Ring Frequency | The ring frequency with the VOIP Call Forward.                      |

### 6.1.4 QoS

|           |                                 |        |
|-----------|---------------------------------|--------|
| SIP Qos   | <input type="text" value="26"/> | (0-63) |
| Voice Qos | <input type="text" value="46"/> | (0-63) |

| ITEM      | DECSRIPTION                     |
|-----------|---------------------------------|
| SIP QoS   | The range is 0~63,default is 26 |
| Voice QoS | The range is 0~63,default is 46 |

## 6.2 Advanced

### 6.2 .0 Audio

#### 6.2.1 Basic

**Tone** ?

Select Country  ▼

Ring Volume(0~9)

**Output Volume(1~9)**

Handset Volume

SpeakerPhone Volume

Headset volume

**Input Volume(1~7)**

Handset Mic Volume

SpeakerPhone Mic Volume

Headset Mic Volume

| ITEM                     | DECSRIPTION                                              |
|--------------------------|----------------------------------------------------------|
| <b>Basic</b>             |                                                          |
| Select Country           | Select the country dial tone. Default is United States.  |
| Ring Volume              | The ring volume default is Lv3, the range is 0~9.        |
| Handset Volume           | The handset volume default is Lv5, the range is 1~9.     |
| Speaker Phone Volume     | The speaker volume default is Lv5, the range is 1~9.     |
| Headset Volume           | The headset volume default is Lv3, the range is 1~9.     |
| Handset MIC Volume       | The handset MIC volume default is Lv3, the range is 1~7. |
| Speaker Phone MIC Volume | The speaker MIC volume default is Lv3, the range is 1~7  |
| Headset MIC Volume       | The headset MIC volume default is Lv3, the range is 1~7  |

## 6.2.2 Advanced

Ring ?

Ring Type

Ring1 ▼

Delete

Uploading Ring Tone

浏览...

Upload

Cancel

(Please upload a ring tone with G711A audio coding, Maximum 10 rings and the total sizes must less than 150k.)

Up

G723

<<

G722  
G711U  
G729A  
iLBC  
G726\_32

>>

disableCode

Down

Jitter Buffer ?

Type

☒ Adaptive
☐ Fixed

Min Delay

60

Max Delay

150

Normal Delay

120

Other

Payload Length

30 ▼ ms

High Rate of G723.1

☒

VAD

☐ ?

Echo Suppression Mode

☐

SideTone

☐

| ITEM                 | DECSRIPTION                                                                                                                                                                                                                                                                                                |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ring</b>          |                                                                                                                                                                                                                                                                                                            |
| Ring Type            | Select the ring type. Default is Ring 1.                                                                                                                                                                                                                                                                   |
| Uploading Ring Tone  | Please upload a ring tone with G711A audio coding, Maximum 10 rings and the total sizes must less than 150k.                                                                                                                                                                                               |
| <b>Audio Codec</b>   | Use the navigation keys to highlight the desired one in the Enabled/Disable Codes list, and press the  /  to move to the other list. |
| <b>Jitter Buffer</b> |                                                                                                                                                                                                                                                                                                            |
| Type                 | The type of Jitter Buffer is Adaptive or Fixed, default is adaptive.                                                                                                                                                                                                                                       |
| Min Delay            | The min delay range setting , default is 60.                                                                                                                                                                                                                                                               |
| Max Delay            | The max delay range setting , default is 150.                                                                                                                                                                                                                                                              |
| Normal Delay         | The normal delay range setting , default is 120.                                                                                                                                                                                                                                                           |
| <b>Other</b>         |                                                                                                                                                                                                                                                                                                            |
| Play Load Length     | The play load length setting, default is 30ms.                                                                                                                                                                                                                                                             |

|                       |                                               |
|-----------------------|-----------------------------------------------|
| High Rate Of G723.1   | Enable/Disable High Rate of G723.1 feature.   |
| VAD                   | Enable/Disable VAD feature.                   |
| Echo Suppression Mode | Enable/Disable Echo Suppression Mode feature. |
| Side Tone             | Enable/Disable Side Tone feature.             |

## 6.3 Line Keys

|       | Mode | Account  | Name | Number |
|-------|------|----------|------|--------|
| Key1: | Line | Account1 |      |        |
| Key2: | Line | Account1 |      |        |

line keys >>

|       | Mode       | Account  | Name | Number |
|-------|------------|----------|------|--------|
| Key1: | Line       | Account1 |      |        |
| Key2: | Speed Dial | Account1 |      |        |

Function Keys >>  
Softkey Key >>

Submit

| ITEMS             | DESCRIBES                                                                                                                                                                                              |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Line              | The default value.                                                                                                                                                                                     |
| Speed Dial        | You can use this key feature to speed up dialing the numbers often used or hard to remember.                                                                                                           |
| Speed Dial Prefix | You can use this key feature to speed up dial a call with a specified prefix number.                                                                                                                   |
| DTMF              | You can use this key feature to send the specification of arbitrary key sequences via DTMF.                                                                                                            |
| BLF               | You can use the BLF feature to monitor a specific user for status changes on the phone.                                                                                                                |
| Paging            | You can use multicast paging to quickly and easily forward time sensitive announcements out to people within the multicast group.                                                                      |
| Call Park         | You can use call park feature to place a call on hold, and then retrieve the call from another phone in the system (for example, a phone in another office or conference room).                        |
| Intercom          | You can press the configured intercom key to automatically connect with a remote extension for outgoing intercom calls, and the remote extension will automatically answer the incoming intercom calls |
| BLA               | This feature such as the BLF.                                                                                                                                                                          |

NOTE: ONLY WHEN YOU CHOOSE "SPEED DIAL", THE RIGHT OF "NAME","NUMBER" WILL TAKE EFFECT.

## 6.4 Function Keys

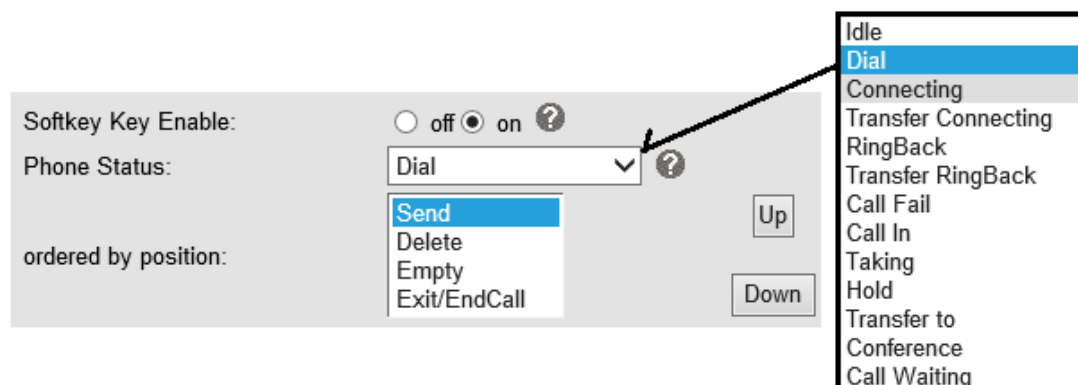
Function Keys: If you do not like the default setting with the function keys feature. You can change to whatever you like.

NOTE: IF THE PHONE WITHOUT THE KEY, YOU CAN IGNORE IT.

|             | Operation            | Account  | Name | Number |
|-------------|----------------------|----------|------|--------|
| Up:         | Contacts             | Account1 |      |        |
| Down:       | Redial               | Account1 |      |        |
| Left:       | Default              | Account1 |      |        |
| Right:      | Default              | Account1 |      |        |
| OK:         | Redial               | Account1 |      |        |
| Conference: | DND                  | Account1 |      |        |
| Redial:     | Contacts             | Account1 |      |        |
| Transfer:   | Enterprise Phonebook | Account1 |      |        |
| Hold:       | LDAP                 | Account1 |      |        |
| Service:    | Dir                  | Account1 |      |        |
| Diretories: | Speed Dial           | Account1 |      |        |
| Menu:       | Call List            | Account1 |      |        |
| Mute:       | Missed Calls         | Account1 |      |        |
| Message:    | Received Calls       | Account1 |      |        |
|             | Dialed Calls         | Account1 |      |        |
|             | Menu                 | Account1 |      |        |
|             | SMS                  | Account1 |      |        |
|             | New SMS              | Account1 |      |        |
|             | Call Forward         | Account1 |      |        |
|             | View Status          | Account1 |      |        |
|             | Call Forward         | Account1 |      |        |

## 6.5 Soft Key

Soft Keys: Soft key is the key with below display in the LCD. You can change it for your mind to the other features in many all kinds of status. As below example, when you dialing with someone, the LCD display soft key is Send \Del \Empty\End, Empty means nothing in it.



## 6.6 Dial Plan

If you want to setup a dial plan, you can click "Dial Plan"

|                                         |                 |                                                            |            |             |
|-----------------------------------------|-----------------|------------------------------------------------------------|------------|-------------|
| <input checked="" type="checkbox"/>     | Send Key        | <input type="radio"/> * <input checked="" type="radio"/> # |            |             |
| <input type="checkbox"/>                | Dial Length     | <input type="text" value="25"/>                            |            |             |
| <input type="checkbox"/>                | No Dial Timeout | <input type="text" value="5"/>                             |            |             |
| ID                                      | Operation       | Prefix                                                     | IP Address | Description |
| <input type="button" value="Add Rule"/> |                 | <input type="button" value="Delete All Rule"/>             |            |             |

| ITEM            | DECSRIPTION                                                           |
|-----------------|-----------------------------------------------------------------------|
| Send Key        | Select the default send key mode you want to use.                     |
| Dial Length     | Enable this feature will limit the dial length. Default is 25.        |
| No Dial Timeout | Setting the range with no dial timeout, default is 5.                 |
| Dial Rule       | Select the Add Rule button to add dial rule, pls see as below detail. |

|                      |                                      |                      |                                      |
|----------------------|--------------------------------------|----------------------|--------------------------------------|
| ID                   | <input type="text" value="1"/>       | Description          | <input type="text"/>                 |
| IP                   | <input type="text"/>                 | Port(Default 5060)   | <input type="text" value="5060"/>    |
| Prefix               | <input type="text"/>                 |                      |                                      |
| Called Insert Number | <input type="text" value="Disable"/> | Called Delete Number | <input type="text" value="Disable"/> |
| Position             | <input type="text"/>                 | Position             | <input type="text"/>                 |
| Number               | <input type="text"/>                 | Length               | <input type="text"/>                 |

(Note: When you want to add code and delete at the same time, you can add code first, after that base on the number you add, decide the position and length of the delete code.)

| ITEM                 | DECSRIPTION                                                               |
|----------------------|---------------------------------------------------------------------------|
| ID                   | Dial Plan ID                                                              |
| IP                   | The ip of a phone which you want to call                                  |
| Description          | Description with this dial rule.                                          |
| Port                 | Setting the Port with this dial rule, default is 5060.                    |
| Prefix               | The number which you need to press actually if you want to call the phone |
| Called Insert Number | There have two option, Enable or Disable.                                 |
| Position             | Which position you want insert the number                                 |
| Number               | Which number you want to insert                                           |
| Called Delete Number | There have two option, Enable or Disable.                                 |

**NOTES:** If you want to know more detail about Dial Rule, pls find it in the official website to

[www.escene.cn/en/](http://www.escene.cn/en/)

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download the specific document. [HTTP://www.escene.cn/en](http://www.escene.cn/en).

## 6.7 IP Strategy

You can use IP Strategy feature to make a list which can be set to only allow the incoming call on the list.

e.g. As following picture you can see it has 192.168.0.248 in the list. When you open this feature. It means you just allow come from this IP address meeting

| IP Strategy <input checked="" type="radio"/> off <input type="radio"/> on |           |            |             |         |
|---------------------------------------------------------------------------|-----------|------------|-------------|---------|
| ID                                                                        | Operation | IP Address | Description | Account |

## 7 Phone Book

The phone book including Group, Contact, LDAP and Ban list, please review the following for more details:

### 7.1 Group

You can add, edit and delete group in a phone book on this web page.

|                                                                             |                                    |             |                                    |
|-----------------------------------------------------------------------------|------------------------------------|-------------|------------------------------------|
| ID                                                                          | <input type="text" value="2"/>     | Description | <input type="text" value="test2"/> |
| Group Name                                                                  | <input type="text" value="test2"/> | Ring Type   | <input type="text" value="Ring2"/> |
| <input type="button" value="Submit"/> <input type="button" value="Cancel"/> |                                    |             |                                    |

Click the groupname you can modify or delete the member of the group

| ID | Operation                                                                                                                                                               | Group Name | Group Member | Description | Ring Type |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------|-------------|-----------|
| 1  |   | test       | 0            | test        | Ring1     |

Attention: If you Click 'Delete Group' or 'Delete All Group',the member of group can not within a group,please click the group and delete the group.

If you want to add a Group, you just ought to click 'Add Group' .

You can edit an existed Group by click  .

You can delete an existed Group by click  , if you want to delete all Groups, you just ought to click 'Delete All Group'.

### 7.2 Contact

You can add, edit and delete contact in a phone book on this web page .

[www.escene.cn/en/](http://www.escene.cn/en/)

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The phonebook can storage 300 contacts entry

|                                                                             |        |                    |
|-----------------------------------------------------------------------------|--------|--------------------|
| Serial Number                                                               | 1 ▼    |                    |
| First Name                                                                  | test   | Last Name test     |
| Mobile Number                                                               | 1111   | Office Number 1111 |
| OtherNumber                                                                 | 1111   | Account Account1 ▼ |
| Group1                                                                      | test ▼ | Group2 None ▼      |
| <input type="button" value="Submit"/> <input type="button" value="Cancel"/> |        |                    |

| <input type="button" value="Delete"/> | ID | Operation                                                                                                                                                                                                                                                                                                                               | Name      | Phone                                        | Group |
|---------------------------------------|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------------------------------------|-------|
| <input type="checkbox"/>              |    |                                                                                                                                                                                                                                                                                                                                         |           |                                              |       |
| <input type="checkbox"/>              | 1  |     | test test | Number1:1111<br>Number2:1111<br>Number3:1111 | test  |

Attention:If you want to download or upload the contact,please go to the "Phone Maintenance" page

If you want to add a Contact, you just ought to click 'Add Contact' .

You can edit an existed Contact by click  .

You can delete an existed Contact by click  , if you want to delete all Contacts, you just ought to click 'Delete All Contact'.

You can edit or move this contact to Ban List after you select  .

You can download and save this contact to PC after you select  .

## 7.3 LDAP

**NOTES: If you want to know more detail about LDAP, pls find it in the office website to download the specific document. [HTTP://www.escene.cn/en](http://www.escene.cn/en). As below figure is an example.**

e.g.

LDAP Name Filter:(sn=%s)

LDAP Number Filter:(telephoneNumber=%s)

Server Address:192.168.0.65

BASE:DC=ldap,DC=escene,DC=com

User Name: bb@ldap.escene.com

Pass Word: escene\_2012

LDAP Name Attributes 1:sn

LDAP Name Attributes 2:cn

LDAP Number Attributes 1:telephoneNumber

|                               |                                                                            |
|-------------------------------|----------------------------------------------------------------------------|
| LDAP                          | <input type="radio"/> on <input checked="" type="radio"/> off ?            |
| LDAP Name Filter              | (sn=%s) ?                                                                  |
| LDAP Number Filter            | (telephoneNumber=% ?                                                       |
| Server Address                | 192.168.0.65 ?                                                             |
| Cwmp Port                     | 389 ?                                                                      |
| Base                          | DC=ldap,DC=escene, ?                                                       |
| Username                      | bb@ldap.escene.com ?                                                       |
| Password                      | escene_2012 ?                                                              |
| Max. Hits(1~32000)            | 50 ?                                                                       |
| LDAP Name Attributes 1        | sn ?                                                                       |
| LDAP Name Attributes 2        | cn                                                                         |
| LDAP Name Attributes 3        |                                                                            |
| LDAP Number Attributes 1      | telephoneNumber ?                                                          |
| LDAP Number Attributes 2      |                                                                            |
| LDAP Number Attributes 3      |                                                                            |
| Protocol                      | <input type="radio"/> Version2 <input checked="" type="radio"/> Version3 ? |
| Search Delay(ms)(0~2000)      | 0 ?                                                                        |
| LDAP Lookup For Incoming Call | <input checked="" type="radio"/> on <input type="radio"/> off ?            |
| LDAP Lookup For PreDial/Dial  | <input checked="" type="radio"/> on <input type="radio"/> off ?            |

## 7.4 Ban List

You can add, edit and delete contact in a Ban List on this web page .

|               |                                                                             |             |        |
|---------------|-----------------------------------------------------------------------------|-------------|--------|
| Serial Number | 1 ▼                                                                         | Description | test3  |
| First Name    | test3                                                                       | Last Name   | testc  |
| Mobile Number | 3333                                                                        |             |        |
| Home Number   | 3333                                                                        |             |        |
| Office Number | 3333                                                                        |             |        |
| Account       | <div>Auto</div> <div>Account1</div> <div>Account2</div> <div>Account3</div> |             |        |
|               |                                                                             | Submit      | Cancel |

| ID | Operation                                                                                                                                                                                                                                             | Name        | Phone                                        | Description | Account |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------------------------------------------|-------------|---------|
| 1  |    | test3 testc | Number1:3333<br>Number2:3333<br>Number3:3333 | test3       | Auto    |

If you want to add a Ban List, you just ought to click 'Add Ban List'.

You can edit an existed Ban List by click .

You can delete an existed Ban List by click , if you want to delete all Ban List, you just ought to click 'Delete All Ban List'.

You can edit or move this contact to Contact after you select .

## 8 Phone Maintenance

### 8.1 Basic

**NOTES: Don't cut off the electricity or network cable when doing upgrade in the below ways!**

#### 8.1.1 HTTP Upgrade

You can upgrade the software, kernel and configuration etc. files by HTTP.

**HTTP Upgrade**
>>

Select a File

Software Upgrade

Kernel Upgrade

Configuration

XML PhoneBook

Vcard

EXT Module

Log

All Config File

When using HTTP upgrade, you can set several parameters as follow:

| HTTP Upgrade  |                                                                         |
|---------------|-------------------------------------------------------------------------|
| Select a File | Browse the software/kernel/configuration file which you need to upgrade |

[www.escene.cn/en/](http://www.escene.cn/en/)

Escene Communication

|                  |                                                                                                              |
|------------------|--------------------------------------------------------------------------------------------------------------|
|                  | from HTTP                                                                                                    |
| Software Upgrade | Used for upgrading the software of the phone                                                                 |
| Kernel Upgrade   | Used for upgrading the kernel of the phone                                                                   |
| Configuration    | You can used upload/download to upload/download the configure file of the phone                              |
| XML Phone Book   | Used for uploading/downloading the XML phonebook of the phone                                                |
| Vcard            | Downloading all contacts in the Vcard mode, but upload only support one by one.                              |
| EXT Module       | Used for updating/backup the expansion of the phone<br><b>[NOTES: The mode doesn't support this feature]</b> |
| Log              | Used for the administrator to find out or making sure the problem with this equipment.                       |
| All Config File  | All Config File includes: Configuration, Extern, Log, XML Phone book, Enterprise Phone Book.                 |

### 8.1.2 FTP Upgrade

You can upgrade the software, kernel and configure files by FTP.

**FTP Upgrade >>**

Server IP

Filename

Username

Password

Software Upgrade

Kernel Upgrade

**Note: It's no necessary to input filename when backup.**

Configuration

Phone Book

EXT Module

When using FTP upgrade, you can set several parameters as follow:

| FTP Upgrade |                                  |
|-------------|----------------------------------|
| Server IP   | The IP address of the FTP server |
| Filename    | Downloading from FTP server      |
| Username    | Providing by FTP server          |

[www.escene.cn/en/](http://www.escene.cn/en/)

Escene Communication

|                  |                                                                                                              |
|------------------|--------------------------------------------------------------------------------------------------------------|
| Password         | Providing by FTP server                                                                                      |
| Software Upgrade | Used for upgrading the software of the phone                                                                 |
| Kernel Upgrade   | Used for upgrading the kernel of the phone                                                                   |
| Configuration    | Used for updating/backup to update/backup the configure file of the phone                                    |
| Phone Book       | Used for updating/backup to update/backup the phonebook of the phone                                         |
| EXT Module       | Used for updating/backup the expansion of the phone<br><b>[NOTES: The mode doesn't support this feature]</b> |

**NOTES: It's not necessary to input filename when doing backup Configuration, Phone Book, EXT Module.**

### 8.1.3 TFTP Upgrade

You can upgrade the software, kernel and configure files by TFTP.

**TFTP Upgrade >>**

Server IP

Filename

Software Upgrade

Kernel Upgrade

**Note: It's no necessary to input filename when backup.**

Configuration

Phone Book

EXT Module

When use TFTP upgrade, you can set several parameters as follow:

| TFTP Upgrade     |                                                                                                              |
|------------------|--------------------------------------------------------------------------------------------------------------|
| Server IP        | The IP address of the TFTP server                                                                            |
| Filename         | Downloading from FTP server                                                                                  |
| Software Upgrade | Used for upgrading the software of the phone                                                                 |
| Kernel Upgrade   | Used for upgrading the kernel of the phone                                                                   |
| Configuration    | Used for updating/backup the configure file of the phone                                                     |
| Phone Book       | Used for updating/backup the phonebook of the phone                                                          |
| EXT Module       | Used for updating/backup the expansion of the phone<br><b>[NOTES: The mode doesn't support this feature]</b> |

**NOTES: It's not necessary to input filename when doing backup Configuration, Phone Book, EXT Module.**

## 8.1.4 Default Setting

You can load the phone to the factory default setting in default setting option.

Default Setting >>

When click this button this equipment will restore to the default status  
Pay Attention: It will take effect on next reboot.

Reset to Factory Setting

Press the 'Reset to Factory Setting' option, the phone will load to factory default setting on next reboot.

## 8.1.5 Reboot

You can use reboot option to reboot the phone.

Reboot >>

Attention: When click this button this equipment will be reboot, web service will be interred, please connect again.

Reboot

## 8.2 Advanced

### 8.2.1 Log

This feature is use for the administrator to managing the equipment, like debugging, SIP etc,. If you need to catch a debugging Level, you need to setup on this interface.

Log >>

☐ No Record  
☒ Call  
☐ SIP  
☐ LCD

Error Level  
Warning Level  
Record Level  
Debugging Level

Log send to server ☒ off ☐ on

Log Server Address : 514

Capture Packet

Start End Download

## 8.2.2 Auto Provision

When you open this auto provision feature, the phone will do auto provision after it detect a different software or kernel (Higher or Lower) which are putted on the TFTP,HTTP,HTTPS,FTP, server. For the detailed information about auto provision, you can find it in the official website: [HTTP://www.escene.cn/en](http://www.escene.cn/en)

**Auto Provision** >>

Auto Provision

Option:

Protocol

Software Server URL

Username

Password

Auto Download Software

Auto Download Kernel

Auto Download Config File

Auto Download Expansion

Auto Download Enterprise Phonebook

Auto Download Personal Phonebook

Bootling Checked

Disable the phone while bootling checking

Auto Provision Frequency

Auto Provision Time

Auto Provision Next Time

AES Enable

AES Key

☒ on ☐ off

( Default :66, Min:1, Max:254)

▼

☒

☒

☒

☒

☒

☒

☒

☒ off ☐ on

Hour (Default :7 days, Max:30 days )

▼

☒ off ☐ on

When using auto provision, you can set several parameters as follow:

| Auto Provision                     |                                                         |
|------------------------------------|---------------------------------------------------------|
| Auto Provision                     | You can enable/disable auto provision by select on/off  |
| Protocol                           | Used for auto provision, it includes TFTP/HTTP/FTP      |
| Software Server URL                | The server address of the auto provision                |
| Username                           | Providing by provision server                           |
| Password                           | Providing by provision server                           |
| Auto Download Software             | Used for auto download software from server             |
| Auto Download Kernel               | Used for auto download kernel from server               |
| Auto Download Config File          | Used for auto download config file from server          |
| Auto Download Expansion            | NOTES: The model doesn't support this feature.          |
| Auto Download Enterprise Phonebook | Used for auto download Enterprise Phonebook from server |

|                                         |                                                        |
|-----------------------------------------|--------------------------------------------------------|
| Auto Download Personal Phonebook        | Used for auto download personal phonebook from server  |
| Bootng Checked                          | Used for checking the auto provision when phone bootng |
| Disable the phone while bootng checking | Enable/Disable the bootng checking feature.            |
| Auto Provision Frequency                | Used for setting the time interval for auto provision  |
| Auto Provision Time                     | Used for the specific time for auto provision          |
| Auto Provision Next Time                | Reset the Auto Provision Next Upgrading time.          |
| AES Enable                              | You can enable/disable AES encrypt for auto provision  |
| AES Key                                 | The key of the AES                                     |
| Auto Provision Now                      | Used for doing auto provision immediately              |

## 9 Password

Here you can setting the administrator or user WEB password management. Select your type. If you login as an administrator, you can modify both the user's and admin's passwords.

☒ Administrator
☐ User

Username

root

Old Password

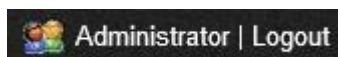
New Password

Confirm Password

## 10 WEB Other Settings or Information - Appendix

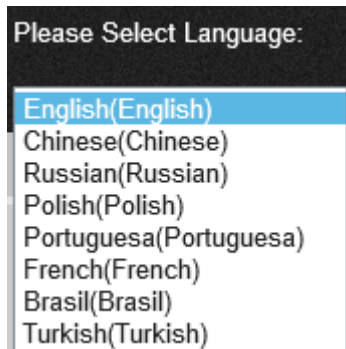
### 10.1 WEB User

In the upper right corner of the website page, you can select the user or logout.



## 10.2 Multi-Language

In the upper right corner of the website page, you can select the language in the below list.



## 10.3 Note Tips

In the right middle of the website page, there is a Note tips in every function page. Hope it can help you to know something about that.

